

Presented to: SPS Requirements Workshop



Shared Data Warehouse



Defense Procurement CIM Systems Center (DPCSC)
DLA-AQACP
13 May 1997



OUTLINE

- **Why SDW?**
- **What you get?**
 - **Single Queriable Repository**
 - **EC/EDI in a single repository**
 - **Interoperable Windows-based query tool**
 - **SDW: Future Integration**
- **Key Activities**
- **Summary**



Why a Shared Data Warehouse?

- ✦ **Implement recommendation of Acquisition and Financial Management Panel Report to use shared data**
- ✦ **Make use of standard data in the Defense Data Dictionary System (DDDS)**



SDW - What you get?

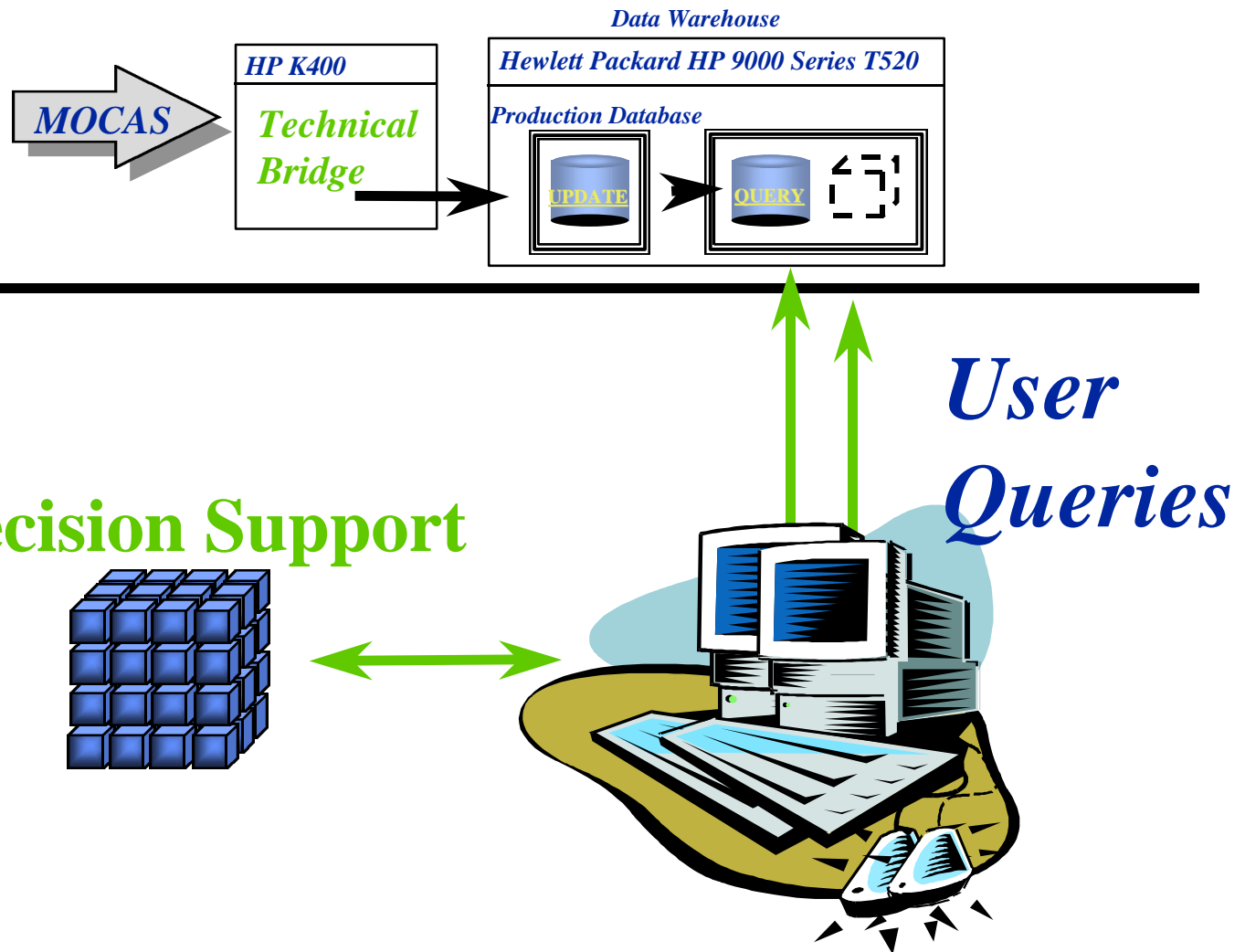
- ✦ **All Delegated Contract Data in a single queriable repository**
- ✦ **EC/EDI New Contracts and Contract Modifications in a single repository**
- ✦ **Interoperable Windows-based query tool**
 - (i.e. EXCEL, Word, e-mail packages)
- ✦ **Provides means to move from MOCAS to SPS and DPPS**
- ✦ **Single Point for Non-Procurement Systems to obtain contract information**

Queriable 23.5 hours/day



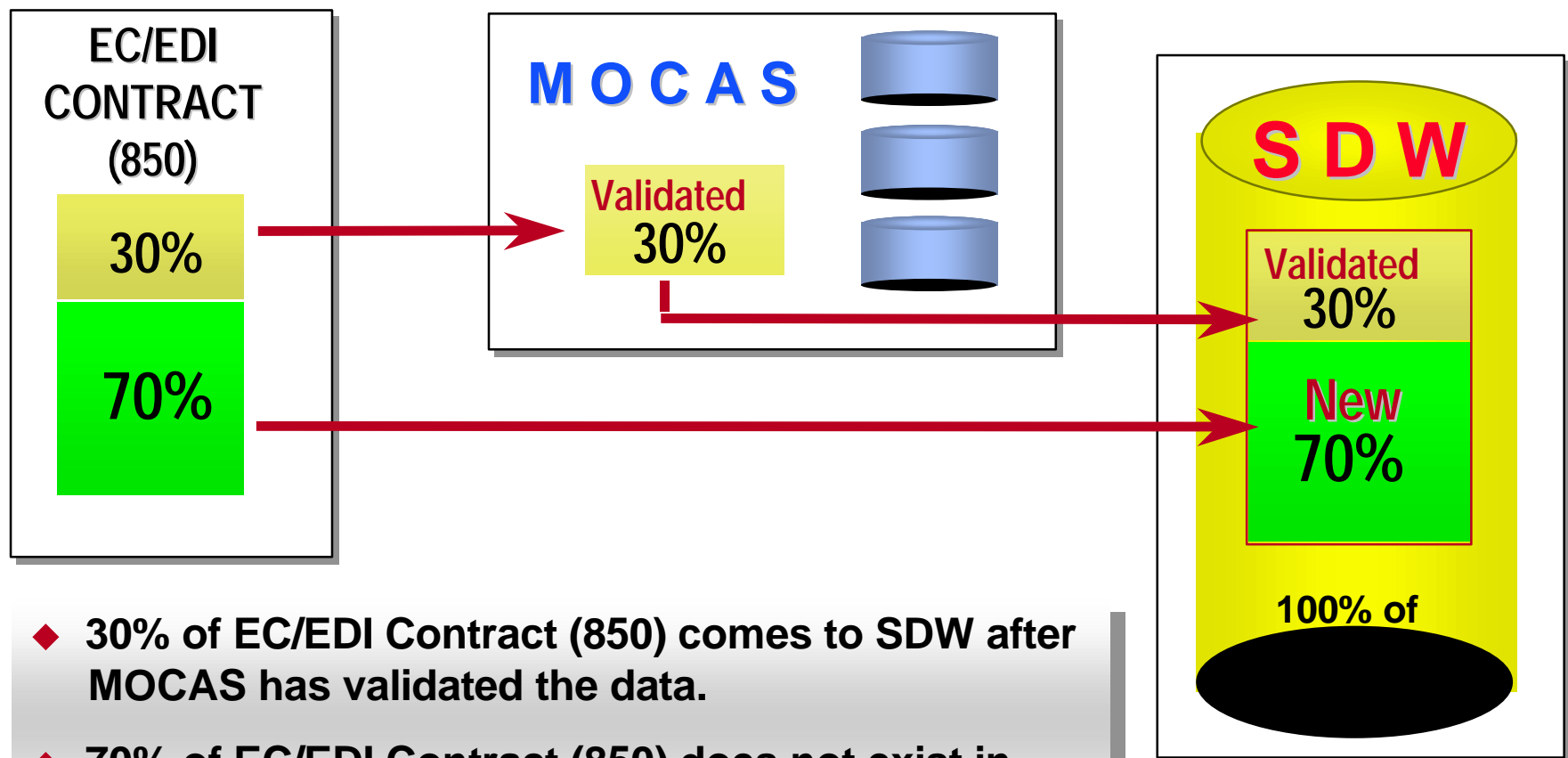


Single Queriable Repository





EC/EDI in a Single Repository

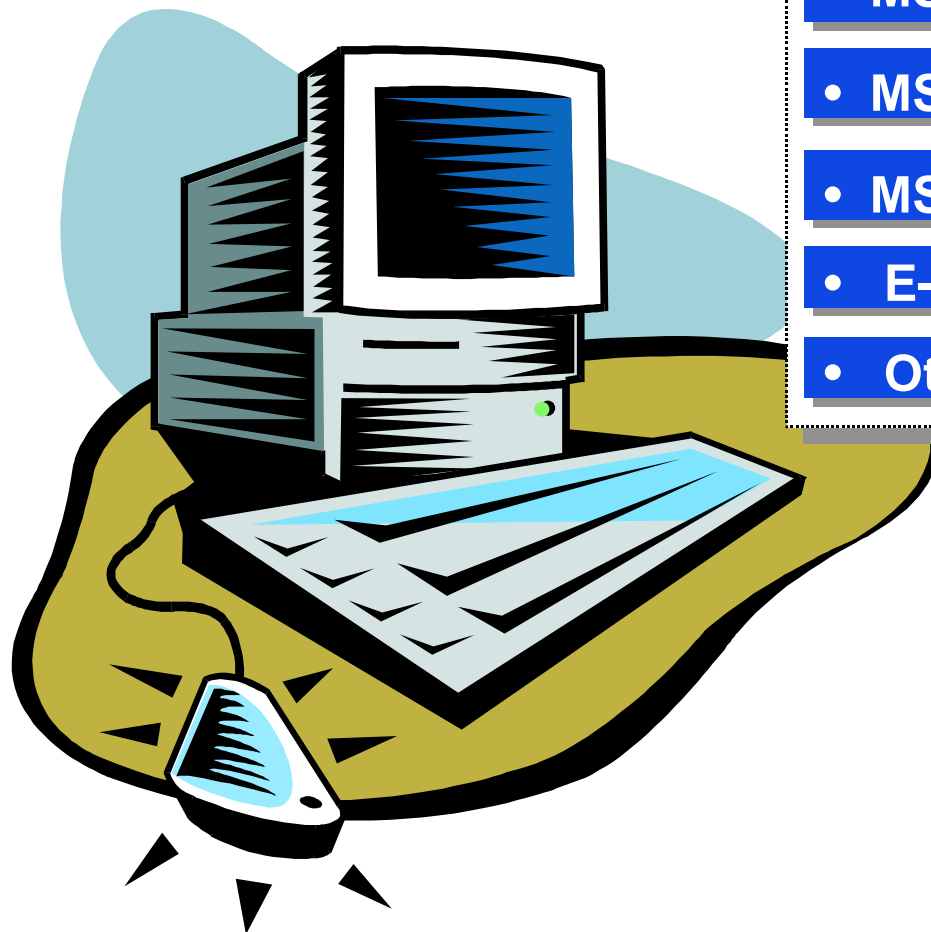


- ◆ 30% of EC/EDI Contract (850) comes to SDW after MOCAS has validated the data.
- ◆ 70% of EC/EDI Contract (850) does not exist in MOCAS but will exist in SDW.



Interoperable Query Tool

- MS Word
- MS Excel
- MS PowerPoint
- E-mail
- Other Apps





SDW: Future Integration

- SPS
- DPPS
- Other
 - Metrics
 - Alerts
 - etc....



SDW

◆ **ENHANCE SDW:**

- ◆ *To support integration with new systems*
- ◆ *To support expanded future data models*



Key Activities

- ✦ **Training on SDW Version 6.0**
 - **Went Well!**
- ✦ **Database Technical Interchange with AMS, Inc.**
 - **On-going**
- ✦ **SDW Version 8.0/9.0 Requirements definition effort going well!**
 - **DCMC, DFAS, and DSDC Peer Review, 05-06 May 97**
- ✦ **Functional Testing on SDW version 7.0 completed by early Nov 97 (JITC will observe)**





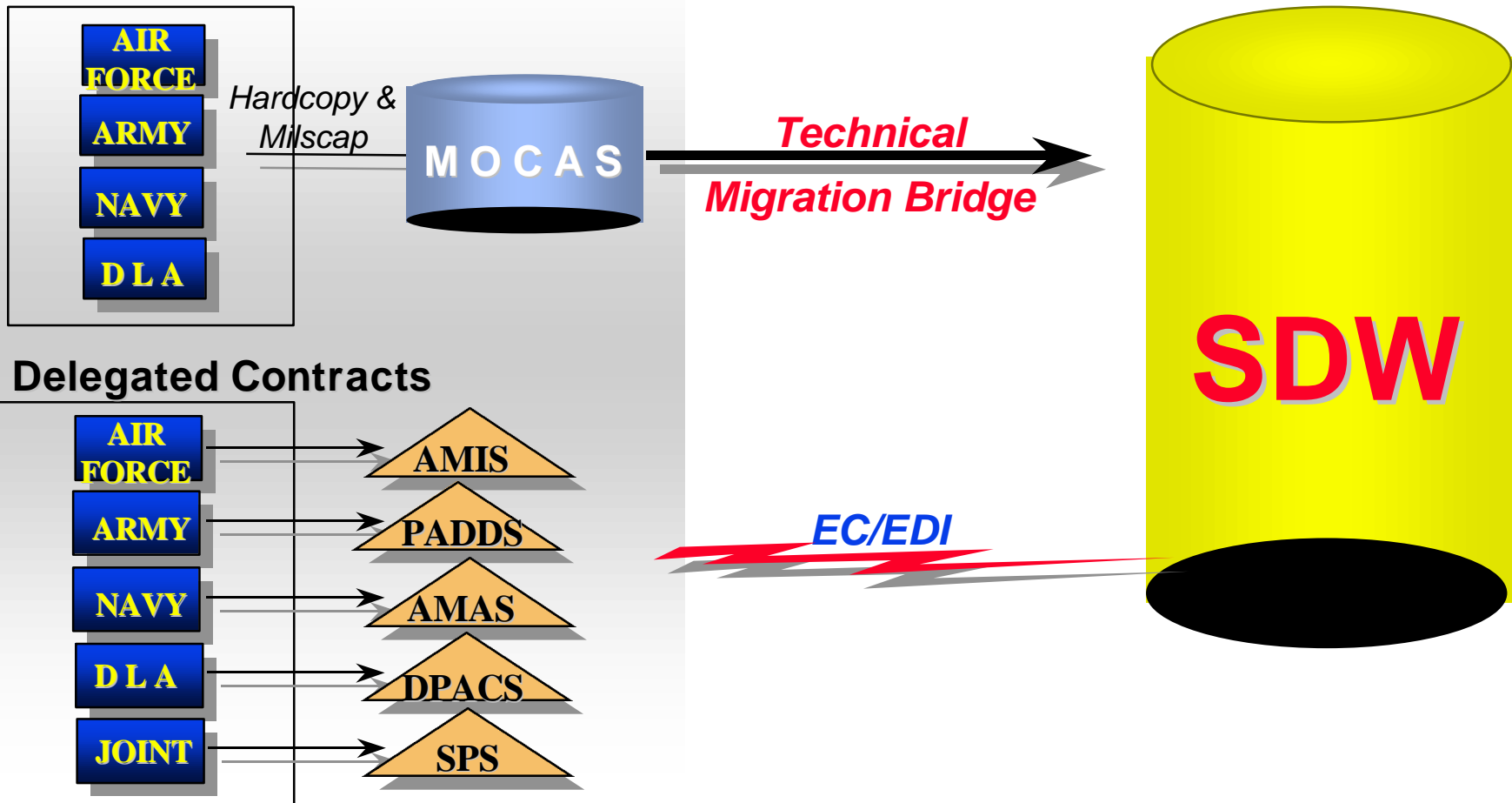
SUMMARY

- **Basis for SDW**
- **Overview of initial capabilities and future direction**
- **Key Activities**
 - **Progress being made (i.e. Development, Training, and Initial Deployment)**



The SDW Is Fed Via MOCAS & EC/EDI

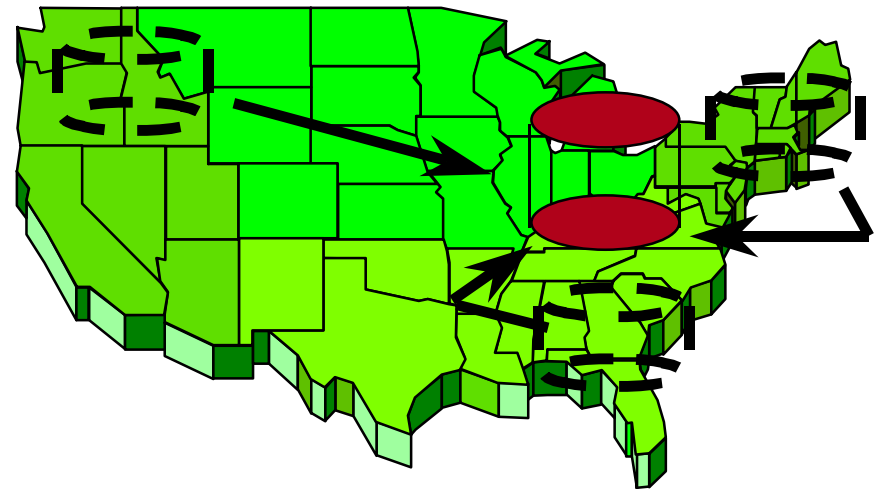
Delegated Contracts





One Logical Source For Contracting Data

- ◆ Merge all 3 MOCAS databases into one:
(only 30% of contract)



- ◆ Bring into SDW 100% of contracting information via EC/EDI (850/860):
(100% of contract)

Contract Data





SDW Will Provide A Relational Database for Future Interaction

“Production Ready”



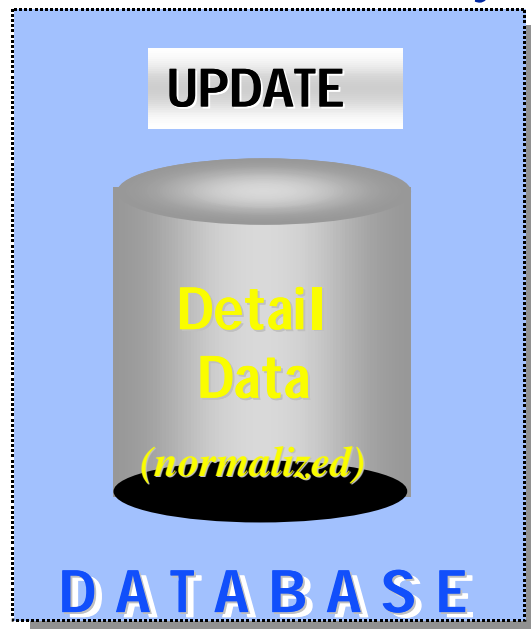
- ◆ The OLTP database will be the database that SPS & DPPS will interact with (update) in the future.
- ◆ The OLTP database will feed the data warehouse which will then be queried by users.
- ◆ The OLTP database will have the ability to store 100% of the 850/860 contracting data.

On-Line Transaction Processing (OLTP)

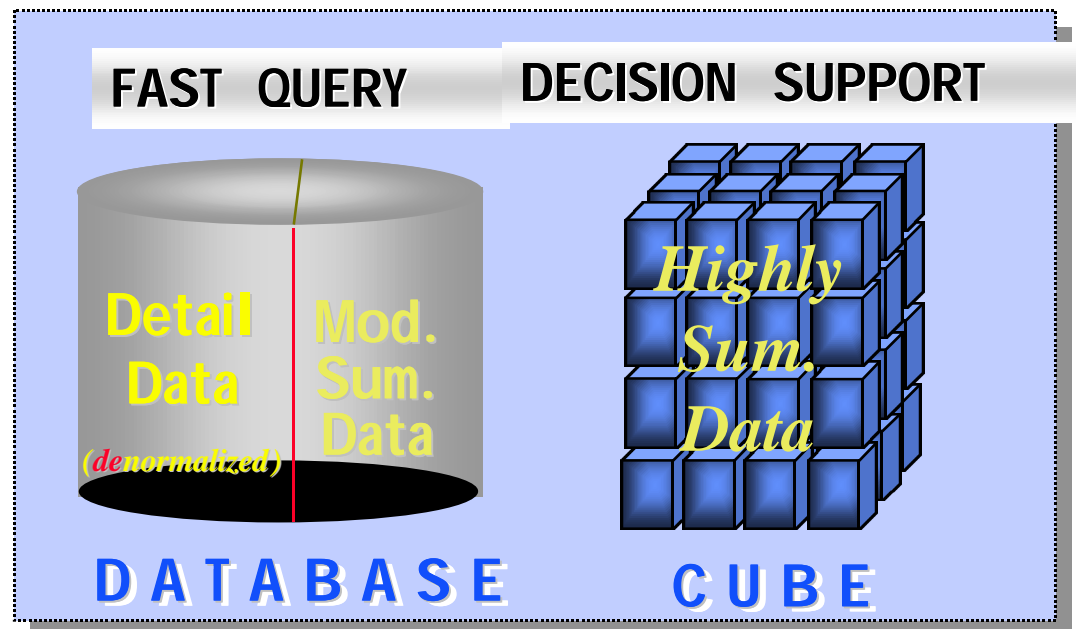


SDW Database Structures

“Production Ready”



Data Warehouse



- ◆ **UPDATE:** On-Line Transaction Processing (OLTP)
- ◆ **FAST QUERY:** Relational On-Line Analytical Processing (ROLAP)
- ◆ **DECISION SUPPORT:** Multidimensional On-Line Analytical Processing (MOLAP)